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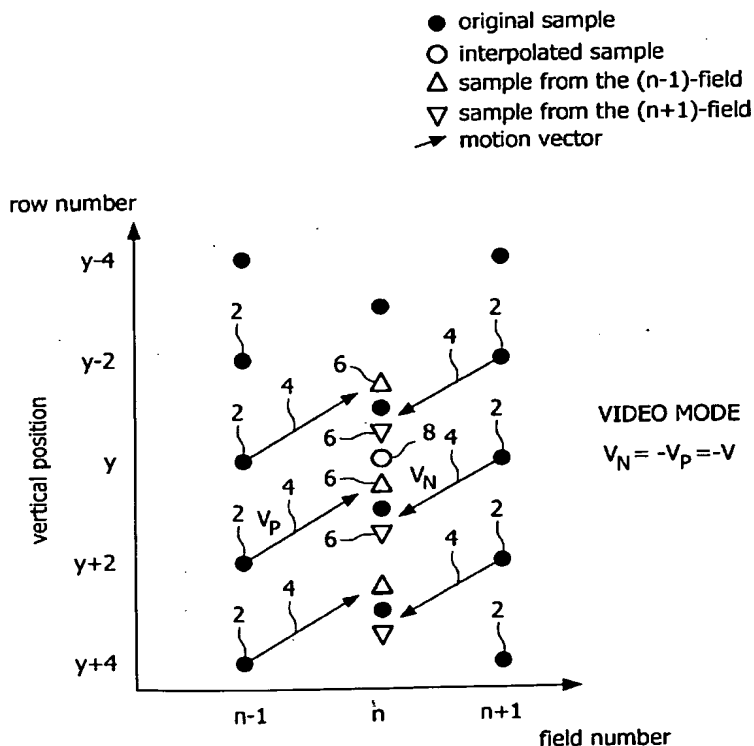
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(54) Title: MOTION COMPENSATED DE-INTERLACING WITH FILM MODE ADAPTATION



(57) Abstract: The invention relates to a method for de-interlacing a hybrid video sequence using at least one estimated motion vector for interpolating pixels. Field for petition patents, typically occurring in film originated video material, disturb the function of de-interlacing algorithm designed to convert interlaced video single into progressively scanned video. Therefore a mode decision has to be applied for local adaptation to the film/video mode, which is possible by defining values for a first motion vector and a second motion vector, calculating at least one first pixel using at least one pixel of previous image and one first motion vector, calculating at least one second pixel using at least one pixel of a next image and one second motion vector, calculating a reliability of said first and the second motion vector by comparing at least said first pixel with at least said second pixel the first and said second motion vectors being pre-defined for said calculation of reliability, and estimation an actual value for a motion vector, which turned out to be most reliable for de-interlacing said image.

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